

WHAT IS CLAIMED IS:

1. A communication quality acquisition apparatus comprising:

5 an acquisition means for receiving the CDMA pilot channels sent from a plurality of wireless base stations through the use of spread signals different from each other and acquiring delay profile based on said spread signals in said CDMA pilot channels; and
10 a storage means for storing the delay profile acquired by said acquisition means.

2. The communication quality acquisition apparatus according to claim 1, wherein said acquisition means
15 comprises:

a synchronization means for establishing synchronization based on said spread signals in said CDMA pilot channels;

20 a measurement means for acquiring delay profile by reverse spreading said spread signals in said CDMA pilot channels; and

a control means for controlling said synchronization means and measurement means.

25 3. The communication quality acquisition apparatus according to claim 1, wherein said storage means attaches the information of time and location to the delay profile

acquired by said acquisition means and stores the information in said storage means.

4. The communication quality acquisition apparatus
5 according to claim 2, wherein said control means controls said synchronization means and measurement means based on the conditions set by the user for initial error detection check, re-synchronization of each mode, off-track check and automatic re-synchronization check, or on information
10 set for the code that will be measured.

5. The communication quality acquisition apparatus according to claim 2, wherein said control means controls said measurement means based on the synchronization point
15 information acquired by said synchronization means.

6. The communication quality acquisition apparatus according to claim 2, wherein said control means controls said synchronization means based on the check results of
20 initial error detection, automatic re-synchronization or off-track acquired by said measurement means.

7. A communication quality acquisition method comprising:

25 the acquisition step of receiving CDMA channels sent from a plurality of wireless base stations through the use of spread signals different from each other and acquiring

delay profile based on said spread signals in said CDMA channels; and

the storage step of storing the delay profile acquired by said acquisition step.

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8. The communication quality acquisition method according to claim 7, wherein said acquisition step comprises:

the step of establishing synchronization based on said 10 spread signals in said CDMA pilot channels;

the measurement step of acquiring delay profile by reverse spreading said spread signals in said CDMA pilot channels; and

the control step of controlling said synchronization 15 step and measurement step.

9. The communication quality acquisition method according to claim 7, wherein at said storage step the information of time and location is attached to the delay 20 profile acquired at said acquiring step and then stored at said storage step.

10. The communication quality acquisition method according to claim 8, wherein at said control step said 25 synchronization step and measurement step are controlled based on the conditions set by the user for initial error detection check, re-synchronization of each mode, off-

track check and automatic re-synchronization check, or on information set for the code that will be measured.

11. The communication quality acquisition method

5 according to claim 8, wherein said control step controls said measurement step based on the synchronization point information acquired at said synchronization step.

12. The communication quality acquisition method

10 according to claim 8, wherein said control step controls said synchronization step based on the check results of initial error detection, automatic re-synchronization or off-track.